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7590 04/21/2005  
 Supervisor, Patent Prosecution Services  
 PIPER RUDNICK LLP  
 1200 Nineteenth Street, N.W.  
 Washington, DC 20036-2412  
 07/15/2005 MBEYENE2 00000111 10825181



01 FC:2501 700.00 OP  
 02 FC:1504 300.00 OP

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(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/825,181	04/16/2004	John T. Berry	2343-185-27	8295

**TITLE OF INVENTION:** METHOD FOR DETERMINING SUPERFICIAL RESIDUAL STRESS AS APPLIED TO MACHINED, MECHANICALLY OR THERMALLY PROCESSED SURFACES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$700	\$300	\$1000	07/21/2005

EXAMINER	ART UNIT	CLASS-SUBCLASS
BUI, BRYAN	2863	702-042000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  
☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list  
 (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 DLA PIPER RUDNICK  
 2 GRAY CARY US LLP  
 3 \_\_\_\_\_

**3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)**

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

MISSISSIPPI STATE UNIVERSITY

MISSISSIPPI STATE, MISSISSIPPI

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

**4a. The following fee(s) are enclosed:**

☒ Issue Fee  
☒ Publication Fee (No small entity discount permitted)  
☐ Advance Order - # of Copies \_\_\_\_\_

**4b. Payment of Fee(s):**

☒ A check in the amount of the fee(s) is enclosed.  
☐ Payment by credit card. Form PTO-2038 is attached.  
☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 50-1442 (enclose an extra copy of this form).

**5. Change in Entity Status (from status indicated above)**

☒ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature [Signature]  
 Typed or printed name Daryl A. Basham

Date 7/14/05  
 Registration No. 45,869

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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**DLA PIPER RUDNICK GRAY CARY US LLP**

1200 NINETEENTH STREET, NW  
WASHINGTON, DC 20036-2412  
TELEPHONE: 202-861-3900  
FACSIMILE: 202-223-2085

DOCKET NO.: 2343-185-27

ASSISTANT COMMISSIONER FOR PATENTS  
PO BOX 1450  
ALEXANDRIA, VA 22313-1450

Re: Serial No.: 10/825,181  
Applicant(s): John T. BERRY, et al.  
Filing Date: April 16, 2004  
For: METHOD FOR DETERMINING SUPERFICIAL RESIDUAL STRESS  
AS APPLIED TO MACHINED, MECHANICALLY OR THERMALLY  
PROCESSED SURFACES  
Group Art Unit: 2863  
Examiner: Bryan Bui

SIR:


Attached hereto for filing are the following papers:

Fee Transmittal  
Issue Fee Transmittal

Our check in the amount of \$1,000.00 is attached covering any required fees. In the event any variance exists between the amount enclosed and the Patent Office charges for filing the above-noted documents, including any fees required under 37 C.F.R. 1.136 for any necessary extension of time to make the filing of the attached documents timely, please charge or credit the difference to Deposit Account No. 50-1442. Further, if these papers are not considered timely filed, then a request is hereby made under 37 C.F.R. 1.136 for the necessary extension of time. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

DLA PIPER RUDNICK GRAY CARY US LLP

  
\_\_\_\_\_  
James M. Heintz

Registration No.: 41,828

Daryl A. Basham  
Registration No.: 45,869



# FEE TRANSMITTAL FY 2005

Docket No.	2343-185-27
Serial No.	10/825,181
Filing Date	April 16, 2004
Inventor(s)	John T. BERRY, et al.
Group Art Unit	2863
Examiner	Bryan Bui

TOTAL AMOUNT OF PAYMENT \$1,000.00


1. ☒ Applicant claims small entity status.
- ☒ Charge any **UNDERPAYMENT** or credit any **OVERPAYMENT** in the indicated fees to Deposit Account No. 50-1442.
- ☐ Charge the indicated fees to Deposit Account No. 50-1442.

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

2. ☒ Check enclosed.

FEE CALCULATION										1051	130	2051	65	Surcharge-late filing fee or oath		
1. BASIC FILING FEE										1053	130	1053	130	Non-English Specification		
Large Entity		Small Entity		Fee Description						1251	120	2251	60	1-mo. ext. of time		
Code	Fee \$	Code	Fee \$				Fee Paid			1252	450	2252	225	2-mo. ext. of time		
1011	300	2011	150	Utility Filing Fee						1253	1020	2253	510	3-mo. ext. of time		
1012	200	2012	100	Design Filing Fee						1254	1590	2254	795	4-mo. ext. of time		
1013	200	2013	100	Plant Filing Fee						1255	2160	2255	1080	5-mo. ext. of time		
1014	300	2014	150	Reissue Filing Fee						1401	500	2401	250	Notice of Appeal		
1005	200	2005	100	Provisional Filing Fee						1402	500	2402	250	Appeal Brief		
1111	500	2111	250	Utility Search Fees						1403	1000	2403	500	Request for Oral		
1311	200	2311	100	Utility Examination Fees						1501	1400	2501	700	Utility/Reissue Issue	700	
SUBTOTAL							\$0.00			1504	300	1504	300	Publication Fee	300	
2. EXTRA CLAIM FEES										8001	3	8001	3	Advance Copy of Patent		
tot. claims			-	20*	=	0	x	\$25	=	0	1806	180	1806	180	IDS Submission	
ind. claims			-	3*	=	0	x	\$100	=	0	8021	40	8021	40	Assignment Recordation	
<input type="checkbox"/>	Multiple Dependent Claims						\$180	=		1801	790	2801	395	For Filing RCE		
SUBTOTAL							0			1814	130	2814	65	Terminal Disclaimer		
3. APPLICATION SIZE FEES										Other:						
Total # of Sheets						# of Extra Sheets										
			-	100	=	0										
# of each additional 50 sheets or fraction thereof (round up)																
			Fee			Total Fee Due				SUBTOTAL					1000	
			x	\$125	=	0										

Name	James M. Heintz	Registration No.		41,828	
Signature		Date	7/14/05	Telephone	202-861-3900
Name	Daryl A. Basham	Registration No.		45,869	